

**Amendments to the Claims:**

The followings listing of claims will replace all prior versions, and listings of claims in the application:

1. (Currently Amended) A temperature sensor comprising:

a bottomed tubular holder having an opening;  
a temperature detecting device, contained in a bottom part of the holder, having a lead pair connected thereto so as to be introduced from the opening side;  
a filler resin part filling the holder so as to seal the temperature detecting device and extending to the opening; and

a sensor cover integrated with comprising a cap part covering the whole opening and a neck part extending to the outside of from the cap part along an outer peripheral in a direction generally parallel to face of the opening of the bottomed tubular holder lead pair drawn out of the cap, wherein the cap part and the neck part are integrated together.

2. (Original) A temperature sensor according to claim 1, further comprising a guide part, projecting from an edge of the opening in the holder, for guiding leads constituting the lead pair;

wherein the sensor cover covers the guide part.

3. (Original) A temperature sensor according to claim 2, wherein the guide part has a T-shaped form including a part extending in a direction perpendicular to an extending direction of the holder and a part extending parallel to the extending direction of the holder.

4. (Original) A temperature sensor according to claim 1, wherein an edge of the opening of the holder is formed with a substantially annular hook part projecting to the outside of the holder; and

wherein the hook part engages at least a part of the sensor cover.

5. (Original) A temperature sensor according to claim 1, wherein the sensor cover is

formed by hot melt molding.

6. (Cancel)

7. (Currently Amended) A temperature sensor according to claim 69, wherein  
~~the device protecting part has a laminate structure the holder and filler resin part are~~  
constituted by different kinds of resins.

8. (Currently Amended) A temperature sensor according to claim 69, wherein  
~~the device protecting part has a laminate structure the holder and the filler resin part are~~  
constituted by the same kind of resins.

9. (Currently Amended) A temperature sensor according to claim 61, wherein  
the holder is constituted by a resin; and

wherein the temperature detecting device is covered only with the a device protecting  
part ~~is~~-constituted by the holder and the filler resin part ~~filling the holder~~.

10. (Currently Amended) A temperature sensor according to claim 69, wherein  
the device protecting part contains a polyphenylene sulfide resin as a constituent material.

11. (New) A temperature sensor according to claim 1, wherein the neck part is  
extending from the cap part in a direction substantially perpendicular to the extending  
direction of the holder.

12. (New) A temperature sensor according to claim 2, wherein the lead pair  
extending substantially vertically from the filler resin part is bent at substantially right angles  
toward the guide part.